

NEWPORT, NH0100200

SOME BASIC INFO:

1,597 = NO. OF SEWER CONNECTIONS  
3,977 = EST. SEWER POPULATION (TOWN 2010 POP. = 6,670)  
WWTF DESIGN FLOW = 1.3 MGD  
WWTF HAS (HYDRAULICALLY) TREATED 5 MGD  
WWTF FLOW: ~43% FLOW IS SANITARY WW; ~13% FLOW IS INDUSTRIAL WW; ~44% FLOW IS I/I; AND ~ 1% FLOW (~2% LOADING) IS SEPTAGE  
MAJOR I.U. IS STURM RUGER & CO (1,100 EMPLOYEES - MAX MO FLOW = 109,000 GPD)  
ANOTHER MAJOR INDUSTRIAL (WATER) USER IS NEWPORT SAND & GRAVEL  
~30 MILES OF SEWER WITH AVE I/I OF 305,000 GPD AND WET-WEATHER HIGH GW I/I OF ~805,000 GPD

AO #09-015 (received by Newport on 3/11/09) SCHEDULE and TIMELINE INFO:

AO DEADLINE	PROPOSED OR MODIFIED AO DEADLINE	MILESTONE ACHIEVED	TASK DESCRIPTION	NOTES
		May 12, 2009 May 23, 2009	Town Meeting Vote - Town approved funding for Facilities Plan for Phosphorus Upgrade Scope of Work sent to EPA and NHDES and Newport requested 30-day extension for Facilities Plan preparation.	
December 31, 2009	Another month	January 31, 2010	WWTF Upgrade Facilities Plan + Proposed Schedule to meet NPDES Permit limits, address capacity issues associated with excessive I/I  <u>SELECTED TREATMENT OPTION:</u>  Existing WWTF Improvements: Replace air side of 2nd blower and inf measurement; replace grit system (to address higher plant flows); no upgrades to lagoon #1; repair and reinforce areas where lagoon #2 has failed and ductile iron pipe to the lagoon should be replaced with corrosion resistant mat'l; replace UV system; improvements to sludge drying; septage holding tank improvements.  WWTF Phosphorus Removal Process: coagulation followed by direct filtration to achieve 0.42 mg/l Ave Mo Total P limit.	Ave Mo Total P limit is 0.42 mg/l 4/1-10/1 Ave Mo Total P limit is 1.0 mg/l 11/1-3/31  Est. capital cost is \$2,226,000 (2012 Dollars).  Est. Capital cost is \$5,238,000 (2012 Dollars).  \$7,464,000 is the ext. total project cost.

October 31, 2012	June 1, 2010	April 6, 2010	Town voted and approved the warrant article for WWTF Upgrade-coagulation + filtration + lagoon repairs + UV system work	\$5.4 Million
			Start Project Design (10 Months to complete design)	
		August 23, 2010	Design Services Proposal w/o schedule or fee submitted by Newport.	
		October 3, 2010	Design Services Proposal w/schedule but w/o fee submitted by Newport.	
		October 11, 2010	Design Fee Proposal	
		October 19, 2010	Construction Services Proposal w/o a Fee	
		November 1, 2010	Town learned that the WWTF Upgrade for Phosphorus Removal was not eligible for USDA Rural Development grant (Town had submitted grant app in March 2010)	
			Town understood that it was going to receive a significant grant for the project from Rural Dev (NHDES told me that Rural Dev grant \$\$ is prioritized for human health protection projects)	
		December 1, 2010	AECOM sent Town a reduced scope proposal that would still meet AO req'ts	
		January 24, 2011	Quarterly progress report from Newport	
		February 1, 2011	Newport contacted congressional offices	
	April 1, 2011		Start Construction (16-18 Months to complete construction)	
			Complete construction and achieve full operational level and NPDES Permit compliance.	